

# Material Safety Data Sheet

X-Tenda Coat Acrylic™

MSDS No.303499

Date of Preparation: 1/05/2009

Revision: 006

## Section 1 - Chemical Product and Company Identification

**Product/Chemical Name:** X-Tenda Coat™ Acrylic

**Chemical Formula:** Mixture

**CAS Number:** N/A

**Other Designations:** N/A

**General Use:** Roof Coating

**Manufacturer:** Carlisle SynTec Incorporated, 1285 Ritner Highway, Carlisle, PA 17013, Phone: 800-4SYNTEC

**Emergency Phone Number:** CHEMTREC (USA) 800-424-9300

## Section 2 - Hazards Identification

### ☆☆☆☆☆ Emergency Overview ☆☆☆☆☆

Appearance: Highly thixotropic liquid with faint ammonia-like smell

**WARNING** -Skin and Eye Irritant

HMIS

**H** 1

**F** 0

**R** 0

**PPE**† I

†Sec. 8

### Potential Health Effects

**Primary Entry Routes:** Skin contact, inhalation, ingestion.

**Target Organs:** None known

**Acute Effects:**

**Inhalation:** Vapor or spray mist can cause headache, nausea and irritation of the nose, throat and lungs.

**Eye:** Contact with vapor and/or spray mist may irritate the eyes. Eye contact with liquid may result in severe irritation.

**Skin:** Slightly irritating to the skin.

**Ingestion:** May cause abdominal pain, nausea and vomiting.

**Carcinogenicity:** IARC, NTP, and OSHA do not list this product as a carcinogen.

**Medical Conditions Aggravated by Long-Term Exposure:** None known.

**Chronic Effects:** None known.

## Section 3 – Ingredient Information

Hazardous Ingredients	CAS Number	% wt
Aqueous Acrylic Emulsion	MIXTURE	30-60
Calcium Carbonate	471-34-1	10-30
Aluminum Trihydroxide	21645-51-2	7-13
Talc	14807-96-6	7-13
Titanium Dioxide	13463-67-7	3-7

## Section 4 - First Aid Measures

**Inhalation:** Remove victim to fresh air and provide oxygen if breathing is difficult. Give artificial respiration if not breathing.

**Eye Contact:** Immediately flush eyes with running water for at least 15 minutes. If redness, itching or a burning sensation develops, see a physician.

**Skin Contact:** Remove contaminated clothing/shoes and wipe off excess from skin. Wash exposed area with soap and water. If redness, itching or a burning sensation develops, get medical attention.

**Ingestion:** Do not induce vomiting. Get medical attention immediately.

**After first aid, get appropriate in-plant, paramedic, or community medical support.**

**Note to Physicians:** No specific antidote. Supportive care, treatment based on judgment of the physician in response to reactions of the patient.

**Special Precautions/Procedures:** None known.

## Section 5 - Fire-Fighting Measures

**Flash Point:** >205°F />96°C)

**Flash Point Method:** Seta Flash Closed Cup

**Burning Rate:** Not available.

**Autoignition Temperature:** Not available.

**LEL:** Not available.

**UEL:** Not available.

**Flammability Classification:** Not flammable.

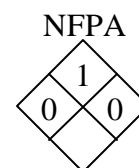
**Extinguishing Media:** Use dry chemical, carbon dioxide, foam, water fog or spray as appropriate for surrounding fire.

**Unusual Fire or Explosion Hazards:** None known

**Hazardous Combustion Products:** Toxic gases or vapors, such as carbon monoxide, carbon dioxide, or oxides of nitrogen may be released in a fire.

**Fire-Fighting Instructions:** Do not enter any enclosed or confined fire space without full protective equipment, including self-contained breathing apparatus (pressure-demand MSHA/NIOSH approved or equivalent) to protect against the hazardous effects of combustion products and oxygen deficiency.

**Fire-Fighting Equipment:** Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full-face piece operated in pressure-demand or positive-pressure mode.



## Section 6 - Accidental Release Measures

**Personal Precautions:** Use personal protection recommended in Section 8.

**Spill /Leak Procedures:**

**Small Spills:** Dike and absorb with inert material such as sand and remove all liquid with the use of a vacuum system. If unable to remove liquid, then begin to absorb with sand, saw dust or commercial absorbent, and scoop up and place in containers for proper disposal. Keep spills and cleaning runoff out of the municipal sewers and open bodies of water. Decontaminate all clothing and the spill area with a detergent and large amounts of water.

**Large Spills:** Use same procedure as small spill.

**Containment:** See Small Spills procedure.

**Cleanup:** See Small Spills procedure.

**Regulatory Requirements:** Follow applicable OSHA regulations (29 CFR 1910.120).

## Section 7 - Handling and Storage

**Handling Precautions:** Avoid skin or eye contact. Avoid prolonged or repeated breathing of vapors and mists. If spilled on clothing, launder before reuse. Do not take internally. Use only in a well ventilated area. Keep out of the reach of children.

**Storage Requirements:** Keep from freezing. Product will coagulate. Keep container tightly closed when not in use. Do not get in eyes, on skin or on clothing. Monomer vapors can be evolved with material is heated. Containers, even those that have been emptied, will retain product residue and vapors and are subject to proper waste disposal, as above.

**Regulatory Requirements:** Follow applicable OSHA regulations (29 CFR 1910.120).

## Section 8 - Exposure Controls / Personal Protection

Ingredient	OSHA PEL		ACGIH TLV		NIOSH	
	TWA	STEL	TWA	STEL	TWA	IDLH
Aqueous Acrylic Emulsion Ammonia	None Established	35 ppm	25 ppm	35 ppm		
Calcium Carbonate	15 mg/m <sup>3</sup> total dust 5 mg/m <sup>3</sup> respirable dust	None Established	10 mg/m <sup>3</sup>	None Established	None Established	None Established
Aluminum Trihydroxide Alumina Trihydroxide	10 ppp	None Established		None Established	None Established	None Established
Talc	5mg/m <sup>3</sup> respirable dust	None Established	2 mg/m <sup>3</sup> c	None Established	2 mg/m <sup>3</sup> c	1,000 mg/m <sup>3</sup>
Titanium Dioxide	15 mg/m <sup>3</sup> c	None Established	10 mg/m <sup>3</sup>	None Established	None Established	5,000 mg/m <sup>3</sup>

**Engineering Controls:** Use local exhaust ventilation with a minimum capture velocity of 100 ft/min (.05 m. sec.) at the point of vapor evolution. Refer to the current edition of industrial ventilation: a manual of recommended practice published by the American Conference of Governmental Industrial Hygienists for Information on the Design, Installation, Use and Maintenance of Exhaust Systems.

**Administrative Controls:** None required.

**Respiratory Protection:** A respirator protection that meets OSHA respirator regulations (1910.134) and ANSI (Z88.2) or applicable federal/provincial requirements must be followed whenever workplace conditions warrant a respirator's use. NIOSH's "Respirator Decision Logic" may be useful in determining the suitability of various types of respirators.

**Protective Clothing/Equipment:** The use of gloves is recommended to prevent skin contact. Use Chemical Goggles if splashing may occur or during spray operations wear a face shield, unless a full-face piece respirator is used. Do not wear contact lenses as they may contribute to the severity of injury to the eye from exposure to liquid and/or vapors and spray mist.

**Safety Stations:** Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.

**Contaminated Equipment:** Separate contaminated work clothes from street clothes. Launder before reuse. Remove this material from your shoes and clean personal protective equipment.

**Comments:** Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

## Section 9 - Physical and Chemical Properties

**Physical State:** Liquid

**Appearance and Odor:** Highly thixotropic liquid with a faint ammonia-like odor

**Vapor Pressure:** 17 mm Hg at 68 °F (20 °C) water

**Vapor Density (Air=1):** Lighter than air

**Water Solubility:** Miscible

**Boiling Point:** 212 °F(100 °C)

**Freezing/Melting Point:** NA

**% Volatile by Weight:** 0.59%

**Specific Gravity (H<sub>2</sub>O=1, at 4 °C):** 1.41

**Flash Point:** >205°F />96°C)

**Flash Point Method:** Seta Flash Closed Cup

**Burning Rate:** Not available.

**Autoignition Temperature:** Not available.

**LEL:** Not available.

**UEL:** Not available.

## Section 10 - Stability and Reactivity

**Stability:** Stable.

**Possibility of Hazardous Reactions:** Will not occur.

**Chemical Incompatibilities:** Avoid strong oxidizing agents such as liquid chlorine, concentrated oxygen, sodium hypochlorite or calcium hypochlorite.

**Conditions to Avoid:** Avoid storage in extreme heat or cold..

**Hazardous Decomposition Products:** Thermal decomposition may yield acrylic monomer, carbon monoxide and carbon dioxide. Unidentified organic compounds in fumes and smoke may be formed during combustion.

## Section 11- Toxicological Information

### Toxicity Data:

**Eye Effects:** Eye irritant – Rabbit:

Inconsequential irritation.

**Skin Effects:** Skin irritant – Rabbit: Practically

non-irritating. Dermal LD50-Rabbit: >5000 mg/kg.

**Reproductive:** No data. available.

**Ingestion:** Oral LD50 Rat: >5000 mg/kg.

**Acute Inhalation Effects:** No data. Available.

**Acute Oral Effects:** No data. available.

**Chronic Effects:** Not established. The effects of overexposure are based on the toxicity profiles for a number of acrylic emulsions that are compositionally similar to this emulsion.

**Carcinogenicity:** Not established. The effects of overexposure are based on the toxicity profiles for a number of acrylic emulsions that are compositionally similar to this emulsion.

**Mutagenicity:** No data. available.

**Teratogenicity:** No data. available.

## Section 12 - Ecological Information

**Ecotoxicity:** Inherent biodegradability (OECD 302B): This type of product is not biodegradable but readily bioeliminable. Emulsion polymer biodegradation is generally considered limited and dependent on polymer size and origin of treatment sludge. However, most of these polymers readily absorb onto water treatment sludge and therefore would be bioeliminable from effluents.

Activated sludge respiratory inhibition (OECD 209): >100mg/l (Non-inhibiting)

Algae (Selenastrum Capricornutum), 74 hour EC50:>100ppm (non-toxic)

Rainbow Trout (Oncorhynchus Mykiss), 95 hour LC50: >100ppm (non-toxic)

Daphnia Magna, 47 hour EC50: >100ppm (non-toxic)

Microtox, 15 minute EC50: >300ppm (non-toxic)

**Soil Absorption/Mobility:** This product has not been tested. No data available.

### Section 13 - Disposal Considerations

**Disposal:** Dispose of unused product or contaminated product and materials used in cleaning up spills or leaks in a manner approved for this material. Consult appropriate federal, state and local regulatory agencies to ascertain proper disposal procedures. Incineration is acceptable and the preferred method of disposal, however; nitrogen oxide emissions controls may be required to meet specifications. Chemical and biological degradation is possible. Empty containers will retain product residue and vapors are subject to proper waste disposal, as above.

### Section 14 - Transport Information

#### DOT Transportation Data (49 CFR 172.101):

Not a DOT regulated material.  
(United States)

### Section 15 - Regulatory Information

#### EPA Regulations:

RCRA Hazardous Waste Number: Not listed (40 CFR 261.33)

CERCLA Hazardous Substance (40 CFR 302.4) listed/unlisted specific per RCRA, Sec. 3001; CWA, Sec. 311 (b)(4); CWA, Sec. 307(a), CAA, Sec. 112

CERCLA Reportable Quantity (RQ): None Known.

SARA 311/312 Codes:

SARA Toxic Chemical (40 CFR 372.65): Not listed

SARA EHS (Extremely Hazardous Substance) (40 CFR 355): Not listed

TSCA : The components of this product are listed or excluded from listing on the US Toxic Substances Control Act (TSCA) chemical substance inventory. Mixtures shall be assumed to present the same health hazards as do the components that comprise one percent (by weight or volume) or greater of the mixture, except that the mixture shall be assumed to present a carcinogenic hazard if it has a component in concentrations of 0.1 percent or greater. The remaining percentage of unspecified ingredients, if any, are not contained in above DeMinimis concentrations and/or are believed to be non-hazardous under the OSHA Hazard Communication Standard (29 CFR 1910.1200).

**TSCA Flags:** XU (CAS# 014807-96-6, CAS# 013463-67-7, CAS# 021645-51-2)

#### OSHA Regulations:

Air Contaminant (29 CFR 1910.1000, Table Z-1, Z-1-A): Not listed

OSHA Specifically Regulated Substance (29CFR 1910.1200)

#### State Regulations:

**California Proposition 65:** These chemicals are not listed in the California Proposition 65 to be carcinogens or reproductive toxicants.

#### Massachusetts Haz substance codes:

4 (CAS# 013463-67-7)

2, 4 F5 (CAS# 014807-96-6)

#### Minnesota Haz Substance:

**Codes:** A (CAS# 013463-67-7, CAS# 000471-34-1)

AO (CAS# 014807-96-6)

**Hazards:** --

**Carcinogen?** No

#### Pennsylvania Haz. Substance code: --

#### Washington Air Contaminant:

**TWA (mg):** 2 (CAS# 014807-96-6)

**TWA (mg):** 10 (CAS# 013463-67-7)

**Canadian WHMIS:** Does not classify as hazardous

**Canadian Environmental Protection Act (CEPA):** No Information.

### Section 16 - Other Information

**Prepared By:** Research and Development

**Revision Notes:** Name change, general update.

**Additional Hazard Rating Systems:**

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